

STANDARD CLASSIFICATION OF FIELDS
OF SCIENCE AND ENGINEERING

	<u>Code</u>
PHYSICAL SCIENCES	
Astronomy	11
Chemistry	12
Physics	13
Physical sciences, not elsewhere classified ^{1/}	19
MATHEMATICS	21
ENVIRONMENTAL SCIENCES (TERRESTRIAL AND EXTRATERRESTRIAL)	
Atmospheric sciences	31
Geological sciences	32
Oceanography	33
Environmental sciences, NEC ^{1/}	39
ENGINEERING	
Aeronautical	41
Astronautical	42
Chemical	43
Civil	44
Electrical	45
Mechanical	46
Metallurgy and materials	47
Engineering, NEC ^{1/}	49
LIFE SCIENCES	
Biological	51
Clinical medical	52
Other medical	53
Life sciences, NEC ^{1/}	59
PSYCHOLOGY	
Biological aspects	61
Social aspects	62
Psychological sciences, NEC ^{1/}	69
SOCIAL SCIENCES	
Anthropology	71
Economics	72
History	73
Linguistics	74
Political science	75
Sociology	76
Social sciences, NEC ^{1/}	79
OTHER SCIENCES, NEC ^{2/}	99

DISCIPLINES INCLUDED IN THE FIELDS OF SCIENCE
AND ENGINEERING (ILLUSTRATIVE ONLY)

CODE

PHYSICAL SCIENCES

- 11 Astronomy: Laboratory astrophysics; optical astronomy;
 radio astronomy; theoretical astrophysics;
 X-ray, gamma-ray, neutrino astronomy
- 12 Chemistry: Inorganic; organometallic; organic; physical
- 13 Physics: Acoustics; atomic and molecular; condensed
 matter; elementary particles; nuclear structure;
 optics; plasma
- 21 MATHEMATICS: Algebra; analysis; applied mathematics; computer
 science; foundations and logic; geometry;
 numerical analysis; statistics; topology

ENVIRONMENTAL SCIENCES (TERRESTRIAL AND EXTRATERRESTRIAL)

- 31 Atmospheric sciences: Aeronomy; solar; weather modification;
 extraterrestrial atmospheres;
 meteorolgy
- 32 Geological sciences: Engineering geophysics; general geology;
 geodesy and gravity; geomagnetism;
 hydrology; inorganic geochemistry;
 isotopic geochemistry; organic geo-
 chemistry; laboratory geophysics;
 paleomagnetism; paleontology; physical
 geography and cartography; seismology;
 soil sciences
- 33 Oceanography: Chemical oceanography; geological
 oceanography; physical oceanography;
 marine geophysics

ENGINEERING

- 41 Aeronautical: Aerodynamics
- 42 Astronautical: Aerospace; space technology
- 43 Chemical: Petroleum; petroleum refining; process
- 44 Civil: Architectural; hydraulic; hydrologic;
 marine; sanitary and environmental;
 structural; transportation

(No. A-46)

CODE

3

ENGINEERING (Continued)

- | | | |
|----|------------------------------|---|
| 45 | Electrical: | Communication; electronic; power |
| 46 | Mechanical: | Engineering mechanics |
| 47 | Metallurgy and
materials: | Ceramic; mining; textile; welding |
| 49 | Engineering, NEC: | Agricultural; industrial and management;
nuclear; ocean engineering; systems |

LIFE SCIENCES

Note: The Life Sciences include the following disciplines:

Anatomy; animal sciences; bacteriology; biochemistry; biogeography; biological oceanography; biophysics; dentistry; ecology; embryology; entomology; evolutionary biology; genetics; immunology; internal medicine; microbiology; neurology; nutrition and metabolism, ophthalmology; parasitology; pathology, pharmacology; pharmacy; physical anthropology; physical medicine and rehabilitation; physiology; plant sciences; podiatry; preventive medicine and public health; psychiatry; radiobiology; radiology; surgery; systematics; veterinary medicine.

Research in some of these disciplines may be classed as biological, clinical medical or other medical, depending upon the nature of the particular project. Reference should be made to the following definitions in the classification of data on the funding of research in the Life Sciences:

- | | | |
|----|-------------------|---|
| 51 | Biological: | Those sciences which, apart from the clinical medical and other medical sciences as defined below, deal with the origin, development, structure, function and interaction of living things. |
| 52 | Clinical medical: | Study of the pathogenesis, diagnosis or therapy of a particular disease or abnormal condition in living human subjects under controlled conditions. |
| 53 | Other medical: | Studies of the causes, effects, prevention, or control of abnormal conditions in man or in his environment as it relates to health, except for the clinical aspects as defined above. |

(The above three classes exclude the psychological sciences as defined elsewhere.)

(No. A-46)

PSYCHOLOGY

- 61 Biological aspects: Experimental psychology; animal behavior; clinical psychology; comparative psychology; ethology
- 62 Social aspects: Social psychology; educational, personnel, vocational psychology and testing; industrial and engineering psychology; development and personality

SOCIAL SCIENCES

- 71 Anthropology: Archaeology; cultural and personality; social and ethnology; applied anthropology
- 72 Economics: Econometrics and economic statistics; history of economic thought; international economics; industrial, labor and agricultural economics; macroeconomics; microeconomics; public finance and fiscal policy; theory; economic systems and development
- 73 History: Cultural; political; social; history and philosophy of science
- 74 Linguistics: Anthropological-archaeological; computational; psycholinguistics; sociolinguistics
- 75 Political science: Area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration
- 76 Sociology: Comparative and historical; complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory

(No. A-46)

5

SOCIAL SCIENCES (Continued)

79 Social sciences, NEC: Research in law and education, NEC;
socioeconomic geography

OTHER SCIENCES, NEC

99 Other sciences, NEC: To be used for multidisciplinary
and interdisciplinary projects
which cannot be classified within a
primary field

- 1/ To be used for multidisciplinary projects within the primary field and for single discipline projects for which a separate discipline code has not been assigned.
- 2/ To be used for multidisciplinary and interdisciplinary projects which cannot be classified within a primary field.

(No. A-46)